

CLAIMS

1. A device for placing a stamped rivet into sheet metal, comprising an upper socket (48, 48'), which accepts at least one stamp (46, 46') in a shiftable manner, a fixed lower socket (50, 50'), which is spaced apart from the upper socket (48, 48') and accepts during an installation process a shaft (14, 14') of the stamped rivet (10, 10'), and an elastically pre-stressed clamping bushing (52, 52') surrounding the lower socket (50, 50') and protruding therefrom in a direction of the stamp (46, 46'), which provides a support for the sheet metal (24, 26) to be connected with or by the stamped rivet (10, 10').

2. A device according to claim 1, characterized in that the stamp (46, 46') has a diameter, which is equivalent to a diameter of a head (12, 12') of the stamped rivet (10, 10').

3. A device according to claim 1 or 2, characterized in that the fixed lower socket (50, 50') has an outside diameter greater than a diameter of the head (12, 12') of the stamped rivet (10, 10').

4. A device according to claim 3, characterized in that the outside diameter of the lower socket (50, 50') is greater than the diameter of the head (12, 12') of the stamped rivet (10, 10') by a difference between the diameter of the head (12, 12') and a greatest diameter (D2) of the shaft (14, 14') of the stamped rivet (10, 10').

5. A device according to claim 4, characterized in that an interior diameter (D3) of the lower socket (50, 50') is about the same size or slightly larger than the diameter (D2) of a cylindrical shaft section (30, 30') of the stamped rivet (10, 10').

6. A device according to one of claims 1 through 5, characterized in that the clamping bushing (52, 52') is provided with a circular shoulder (54, 54'), which is elastically pre-stressed against a stop (62, 62') by a spring element (50, 50') arranged between a support (56, 56') and the circular shoulder (54, 54').
7. A device according to one of claims 1 through 6, characterized in that the spring element (60, 60') is a Belleville spring packet.
8. A device according to one of claims 1 through 7, characterized in that a guidance member (72) for a stamped rivet – magazine strip (74) is mounted to a stamp exit end (70) of the upper socket (48').